

Correction of Typographic Error in Claim 23:

Claim 23 was amended in a Response submitted June 5, 2001. This amendment included the first two changes shown below, but failed to correct the typographic error of printing "base" instead of "based" in line 17. Applicant now corrects this latter typographical error. Two versions of claim 23 are presented below. The first includes bracketed deletions and underlined additions. The second is a clean copy entirely underlined.

23 (amended). An acoustic imaging apparatus, comprising:
control logic;

a plurality of transducer elements arranged in an array, each coupled to said control logic and capable of transmitting an acoustic signal representative of an electrical transmit control signal propagated from said control logic and generating an electrical receive signal representative of an incident acoustic signal;

means within said control logic for generating an electrical transmit control signal for each transducer element that contains a frequency based coded signal and [cause] causing each transducer to emit an acoustic signal representative of said coded signal;

means for modifying the frequency and [chase] phase of an electrical receive signal of each transducer element for coherently combining reflected coded signals within the electrical receive signals thereof;

means coupled to said modifying means for decoding the combined reflected coded signals to achieve a time delay [base] based on that coded signal; and

means coupled to said decoding means for generating image data from an output signal therefrom.

23 (amended). An acoustic imaging apparatus, comprising:
control logic;

a plurality of transducer elements arranged in an array, each coupled to said control logic and capable of transmitting an acoustic signal representative of an electrical transmit control signal propagated from said control logic and generating an electrical receive signal representative of an incident acoustic signal;

means within said control logic for generating an electrical transmit control signal for each transducer element that contains a frequency based coded signal and causing each transducer to emit an acoustic signal representative of said coded signal;

means for modifying the frequency and phase of an electrical receive signal of each transducer element for coherently combining reflected coded signals within the electrical receive signals thereof;

means coupled to said modifying means for decoding the combined reflected coded signals to achieve a time delay based on that coded signal; and

means coupled to said decoding means for generating image data from an output signal therefrom.